CROSS - VALIDATION

We typically splot data into Dtrain & Dtest.

We train model on Dtrain & we get the accuracy on Dtest.

But we can't generalize this result on future data.

Because to evaluate / to do hyper parameter tuning we have used Diest here.

So we can't generalize the result on future conseen data-

So we need to have some offer êdea.

We can splot our data onto

Déresio Dev D Dtest

Da - cross validation data.

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Drain - Train the model.

Dor - Hyper parameter tuning

Died as unseen data for generalization.

By splotting train Data into troin & CV, we work

1. D. troining. Hence for better performance

By splotting Some data for troining. Hence for better performance K'-fold CV we use Accurag Troon AI D_D3D4 typically k=10 A2 Az D_3 24 D₂ Au D, D, D. best

So, It is best practice to perform cross validation to find best hyperparameter.

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best hyperparameter.

REVIEWED

By Praveen Hegde at 6:58 pm, Aug 29, 2021